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EXAMINER

AMINI, JAVID A

ART UNIT

PAPER NUMBER

2672

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/820,557

Applicant(s)

SCOTT ET AL.

Examiner

Javid A Amini

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☒ Claim(s) 1-19 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Specification

The abstract and the title of the disclosure are objected to because are duplicated of abstract and title of applications 09/537849, 09/821638 and 09/537849. Correction is required. See MPEP 608.01(b).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-19 rejected under 35 U.S.C. 102(b) as being anticipated by Saylor et al. US patent 5,487,139 with published date of Jan. 23, 1996.

1. Claim 1,

As per claim 1 line 4 of page 22 "receiving a display of a first map and a second map, the first map being a digital raster map, the second map being a previously georeferenced map",

Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

As per claim 1 line 6 of page 22 "receiving a manipulation of the first map such that the first map and the second map are approximately aligned", Saylor discloses in (col. 2, lines 39-40) that substantially aligning corresponding areas of the raster map and the vector map.

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As per claim 1 line 8 of page 22 “displaying the first map and the second map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

As per claim 1 line 9 of page 22 “receiving a selection of a point pair point on the first map”, Saylor discloses in (col. 2, lines 50-52) that saving the raster map and the X, Y object database coordinates in a database for subsequent selective display.

As per claim 1 line 10 of page 22 “receiving a selection of a corresponding point pair point on the second map”, Saylor discloses in (col. 2, lines 50-52) that saving the raster map and the X, Y object database coordinates in a database for subsequent selective display. Also in (col. 2, lines 59-60) displaying the appropriate raster map and a graphical representation of the serviceable event using the X, Y coordinates of the event address.

2. Claim 2,

As per claim 2 line 13 of page 22 “further comprising receiving a verification that the point pair point on the first map is correctly associated with the point pair point on the second map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

3. Claim 3,

As per claim 3 line 15 of page 22 “wherein receiving a manipulation places the first map within the second map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory

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depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

4. Claim 4,

As per claim 4 line 18 of page 22 “further comprising providing a longitude and latitude to the point pair point on the second map”, Saylor discloses in (col. 5, lines 20-25) that the particular vector database, along with providing information on individual names and addresses, provides latitude/longitude identifiers for each vector, however, the latitude/longitude readings must be converted to X, Y coordinate pairs, 36 "Convert Lat/Lon to X,Y Coordinate Pairs.

5. Claim 5,

As per claim 5 line 19 of page 22 “wherein the point pair point on the second map has a known longitude and latitude”, Saylor discloses in (col. 5, lines 20-25) that the particular vector database, along with providing information on individual names and addresses, provides latitude/longitude identifiers for each vector, however, the latitude/longitude readings must be converted to X, Y coordinate pairs, 36 "Convert Lat/Lon to X,Y Coordinate Pairs.

6. Claim 6,

As per claim 6 line 22 of page 22 “further comprising generating a georeferencing function”, Saylor discloses in (col. 2, lines 49-52) generating method includes saving the raster map and the X,Y object database coordinates in a database for subsequent selective display.

7. Claim 7,

As per claim 7 line 25 of page 22 “further comprising providing an identification of a plurality of point pair points”, Saylor discloses in (col. 7, lines 6-16) that the specific location of the subject address is identified on the vector, 66 "Determine Length of Corresponding Vector and

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Bearing" and 68 "Locate Address on Corresponding Vector." One skilled in the art using point/slope geometry can readily determine the particular location along the vector of the subject address. After specifically locating the address (i.e., assigning definite X,Y coordinates), the processor inquires whether all addresses have been processed, 70 "All Addresses Processed?" and if not, then selects the next address (at instruction 60) for processing.

8. Claim 8,

As per claim 8 line 1 of page 23 "further comprising the act of receiving a mark on a point on the first map, the point on the first map being automatically reproduced on the second map", Saylor discloses in (col. 3, lines 8-11) that some of the X,Y coordinates assigned to the object database information identify addresses within the territory depicted by the aligned raster and vector maps.

9. Claim 9,

As per claim 9 line 4 of page 23 "further comprising receiving a correction of the reproduced mark", Saylor illustrates in Fig. 2 the process of inputting data to the system are as following: it defines data, imports data and generates geo-code data in the system for future retrieval. In case of entering wrong data the user must reproduce the correct data.

10. Claim 10,

As per claim 10 line 7 of page 23 "further comprising selecting a predefined georeferencing function to associate a point on the first map with a point on the second map", Saylor discloses in (col. 2, lines 54-61) that the display technique includes the steps of: receiving a customer service call and identifying an address associated with the serviceable event; identifying from the restored database the X,Y coordinates of the address associated with the serviceable event; and

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displaying the appropriate raster map and a graphical representation of the serviceable event using the X,Y coordinates of the event address .

11. Claim 11,

As per claim 11 line 3 page 24 “receiving a display of a first map and a second map, the first map being a digital raster map, the second map being a previously georeferenced map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

As per claim 11 line 5 page 24 “receiving a manipulation of the first map such that the first map and the second map are approximately aligned”, Saylor discloses in (col. 2, lines 39-40) that substantially aligning corresponding areas of the raster map and the vector map.

As per claim 11 line 7 page 24 “displaying the first map and the second map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

As per claim 11 line 8 page 24 “receiving a selection of a point pair point on the first map”, Saylor discloses in (col. 2, lines 50-52) that saving the raster map and the X, Y object database coordinates in a database for subsequent selective display.

As per claim 11 line 9 page 24 “receiving a selection of a corresponding point pair point on the second to map”, Saylor discloses in (col. 2, lines 50-52) that saving the raster map and the X, Y object database coordinates in a database for subsequent selective display. Also in (col. 2, lines

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59-60) displaying the appropriate raster map and a graphical representation of the serviceable event using the X, Y coordinates of the event address.

12. Claim 12,

As per claim 12 line 12 page 24 “wherein the contents of the computer readable medium are also capable of verifying that the point pair point on the first map is correctly associated with the point pair point on the second map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

13. Claim 13,

As per claim 13 line 15 page 24 “wherein the contents of the computer readable medium are also capable of incorporating a plurality of point pair points”, Saylor discloses in (col. 7, lines 6-16) that the specific location of the subject address is identified on the vector, 66 "Determine Length of Corresponding Vector and Bearing" and 68 "Locate Address on Corresponding Vector." One skilled in the art using point/slope geometry can readily determine the particular location along the vector of the subject address. After specifically locating the address (i.e., assigning definite X,Y coordinates), the processor inquires whether all addresses have been processed, 70 "All Addresses Processed?" and if not, then selects the next address (at instruction 60) for processing.

14. Claim 14,

As per claim 14 line 19 page 24 “wherein the contents of the computer readable medium are also capable of allowing a user to mark a point on the first map, the point on the first map being automatically reproduced on the second map”, Saylor discloses in (col. 3, lines 8-11) that some

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of the X,Y coordinates assigned to the object database information identify addresses within the territory depicted by the aligned raster and vector maps.

15. Claim 15,

As per claim 15 line 23 page 24 “wherein the contents of the computer readable medium are also capable of providing a longitude and latitude to the point pair point on the second map”, Saylor discloses in (col. 5, lines 20-25) that the particular vector database, along with providing information on individual names and addresses, provides latitude/longitude identifiers for each vector, however, the latitude/longitude readings must be converted to X, Y coordinate pairs, 36 “Convert Lat/Lon to X,Y Coordinate Pairs.

16. Claim 16,

As per claim 16 line 4 page 25 “receiving a display of a first map and a second map, the first map being a digital raster map, the second map being a previously georeferenced map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

As per claim 16 line 6 page 25 “receiving a manipulation of the first map such that the first map and the second map are approximately aligned”, Saylor discloses in (col. 2, lines 39-40) that substantially aligning corresponding areas of the raster map and the vector map.

As per claim 16 line 8 page 25 “displaying the first map and the second map”, Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

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As per claim 16 line 9 page 25 "receiving a selection of a point pair point on the first map", Saylor discloses in (col. 2, lines 50-52) that saving the raster map and the X, Y object database coordinates in a database for subsequent selective display.

As per claim 16 line 10 page 25 "receiving a selection of a corresponding point pair point on the second map", Saylor discloses in (col. 2, lines 50-52) that saving the raster map and the X, Y object database coordinates in a database for subsequent selective display. Also in (col. 2, lines 59-60) displaying the appropriate raster map and a graphical representation of the serviceable event using the X, Y coordinates of the event address.

17. Claim 17,

As per claim 17 line 13 page 25 "wherein the data structure verifies that the point pair point on the first map is correctly associated with the point pair point on the second map", Saylor discloses in (col. 2, lines 35-40) that displaying a vector map from the vector database, the displayed vector map containing information characteristic to the territory depicted in the rasterized map; substantially aligning corresponding areas of the raster map and the vector map.

18. Claim 18,

As per claim 18 line 15 page 25 "wherein the data structure supports the providing of a parity of point pair points", Saylor discloses in (col. 7, lines 6-16) that the specific location of the subject address is identified on the vector, 66 "Determine Length of Corresponding Vector and Bearing" and 68 "Locate Address on Corresponding Vector." One skilled in the art using point/slope geometry can readily determine the particular location along the vector of the subject address. After specifically locating the address (i.e., assigning definite X,Y coordinates), the

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processor inquires whether all addresses have been processed, 70 "All Addresses Processed?" and if not, then selects the next address (at instruction 60) for processing.

19. Claim 19,

As per claim 19 line 18 page 25 "wherein data structure marks a point on the first map, the point on the first map being automatically reproduced on the second map", Saylor discloses in (col. 3, lines 8-11) that some of the X,Y coordinates assigned to the object database information identify addresses within the territory depicted by the aligned raster and vector maps.

20. Claim 20,

As per claim 20 line 20 page 25 "wherein the data structure provides longitude and latitude to the point pair point on the second map", Saylor discloses in (col. 5, lines 20-25) that the particular vector database, along with providing information on individual names and addresses, provides latitude/longitude identifiers for each vector, however, the latitude/longitude readings must be converted to X, Y coordinate pairs, 36 "Convert Lat/Lon to X,Y Coordinate Pairs.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 11 and 16 recite the limitation "approximately" in claims 1 line 6, 11 line 5 and 16 line 6. There is insufficient antecedent basis for this limitation in the claim.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javid A Amini whose telephone number is 703-605-4248. The examiner can normally be reached on 8-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 703-305-4713. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-8705 for regular communications and 703-746-8705 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

Javid Amini
October 18, 2002



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